EXECUTIVE SUMMARY

Prepared September 22, 2000

Mine Name: SI02 1-6 Mine
Operator: McFarland & Hullinger
8960 North Highway 40
Lakepoint, Utah 84074

Telephone: (435) 882-0103
Contact Person: Sidney K. Hullinger
Life of Mine: 100+years

I.D. No: M/045/046
County: Tooele
New/Existing: New
Mineral Ownership: BLM
Surface Ownership: BLM
Lease No.(s): U-72294
Permit Term: Life of Mine

Legal Description: NW1/4 of the NE1/4 and the NE1/4 of the NW1/4 of Section 28, and the SW1/4 of the SE1/4 of Section 21, Township 1 North, Range 6 West, Tooele County, Utah

Mineral(s) to be Mined: Quartzite - Silica

Mining Methods: Traditional open pit bench mining using drill and blast technology. Material falls down or is pushed off to a collection point where it is picked up and run through crushing and sorting operations to reach the appropriate size gradation. All of the material is used for product.

Acres to be Disturbed: @40 acres (20 acres for mine site and 20 acres will remain as highwall)

Present Land Use: Grazing and open pit mining

Postmining Land Use: Grazing and recreational purposes

Variances from Reclamation Standards (Rule R647) Granted: Rule R647-4- 111(7) - Highwall - Working face greater than 45 degrees; and Rule R647-4-111(11 and 13) -Topsoil & Revegetation - No vegetation or topsoil requirements on the highwall.

Soils and Geology:

Soil Description: Amtoft Series Shallow, very cobbly loam, underlain with fractured limestone. Soil depth ranges from 0 to 11 inches.

pH: 7.7

Special Handling Problems: None

Geology Description: Stansbury Island is made up of Cambrian and Mississippian rocks of the Paleozoic Era. Some Precambrian outcrops are on the north end of the Island.

Hydrology:

Ground Water Description: Ground water in the area is considered class IV due to the proximity of the Great Salt Lake. No groundwater has been or will be intercepted by the quarrying operations.

Surface Water Description: The only surface water close by is that of the Great Salt Lake. The existing natural drainage's are on both sides of the active mine perimeter and drain the undisturbed areas.

Water Monitoring Plan: There are no plans or need to monitor the surface or ground water at this mine.

Ecology:

Vegetation Type(s); Dominant Species: Cheatgrass, Sagebrush, Juniper, Broom Snakeweed, and Shadscale.

Percent Surrounding Vegetative Cover: 25%

Wildlife Concerns: No critical wildlife habitat occurs within the proposed project area.

Surface Facilities: There are rock crushers, vibrating screens, conveyors, portable storage and office facilities, fuel tanks, and water tanks. Everything will be removed at the end of mine life.

Mining and Reclamation Plan Summary: . . . .

During Operations:

The base of the operating area is used for product stockpiling and processing of quarried material. Available topsoil was pre-stripped from this area and stockpiled for use in final reclamation. Drills holes in the quarry area will be loaded with explosives and blasted. The blasted material will fall or be pushed down to a collection point where it will be picked up by loaders. The material will then be crushed and sorted for proper size gradation. This site will produce approximately 240,000 tons a year of product. No waste will be produced. All mined and crushed material is sold as marketable product.

After Operations:

The processing areas and access roads will be reclaimed by ripping and then redistributing the stockpiled topsoil material to a 6-inch depth, then reseeded in accordance with the prescribed seed mix. The working face (highwall of the quarry) will be left as is and allowed to oxidize, returning to its original color naturally and permanently. About half of the total disturbed area will be reclaimed. The balance will remain as quarried highwall area.

Surety:

Amount: $100,000
Form: Surety Bond - Travelers Casualty & Surety
Renewable Term: 5 years (2005 dollars)